

भारत का राजपत्र

The Gazette of India



प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

३२/११९७

सं० ३७] नई दिल्ली, अनिवार, सितम्बर 13, 1997 (भाद्रपद २२, १९१९)

No. 37] NEW DELHI, SATURDAY, SEPTEMBER 13, 1997 (BHADRA 22, 1919)

इस भाग में भिन्न पुष्ट संख्या दी जाती है जिससे कि यह अकाग संकलन के रूप में रखा जा सके।
[Separate paging is given to this Part in order that it may be tried as a separate compilation]

भाग III—खण्ड २ [PART III-SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 13th September 1997

ADDRESS AND JURISDICTION OF THE OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial Jurisdiction on a Zonal basis as shown below :—

Patent Office Branch,
Todi Estates, IIIrd Floor,
Lower Parel (West),
Mumbai-400 013,

The States of Gujarat,
Maharashtra, Madhya
Pradesh and Goa and the Union
Territories of Daman and
Diu and Dadra and Nagar Haveli

Telegraphic address "PATOFFICE"

Patent Office Branch,
Unit No. 401 to 405, IIIrd Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana,
Himachal Pradesh, Jammu and
Kashmir, Punjab, Rajasthan,
Uttar Pradesh and Delhi and
the Union Territory of
Chandigarh.

Telegraphic address "PATENTOFIC"

1—237GI/97

Patent Office Branch,
Wing 'C' (C-4, A),
IIIrd Floor, Rajaji Bhavan,
Besant Nagar, Chennai-600 090,

The States of Andhra Pradesh,
Karnataka, Kerala, Tamilnadu &
Pondicherry and the Union
Territories of Laccadive, Minicoy
and Aminidivi Islands.

Telegraphic address "PATENTOFIS"

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th & 7th
Floor, 234/4, Acharya Jasdhish
Bose Road, Calcutta-700 020.

Rest of India,

Telegraphic address "PATENTS"

All applications, notices statements or other documents
or any fees required by the Patents Act, 1970 or the Patents
Rules, 1972 will be received only at the appropriate Offices
of the Patent Office.

Fees :—The fees may either be paid in cash or may be
sent by Money Order or payable to the Controller at the
appropriate Offices or by bank draft or cheque payable to
the Controller drawn on a scheduled bank at the place
where the appropriate office is situated.

पेटेंट कार्यालय

एकम्ब तथा अभिकल्प

कलकत्ता, दिनांक 13 सितम्बर 1997

पेटेंट कार्यालय के कार्यालयों के पते एवं धोकाधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, वॉली एवं चैनल्स में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जौन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांडो इस्टेट,
नीसरा तल, लोअर परैल (प.),
मुम्बई-400013।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ नज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा क्षेत्र एवं
दावर और नगर हवेली।

तार पता - "पेटेंटफिल"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, नीसरा तल,
नगरपालिका भाजार भवन,
सरस्वती गार्ड, कर्णल घाटा,
मुम्बई-110 005।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं अंध शासित क्षेत्र अंडमान।

तार पता - "पेटेंटांफिल"

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with, photo copies of the drawings, if any, can be supplied by the patent office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be

पेटेंट कार्यालय शाखा,
विंग 'सी' (सी 4, ए),
नीसरा तल, राजारी भवन,
बसन नगर, चैनल्स-600090।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पांडिचेरी सज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिकार
तथा प्रैमिनिदिवि द्वीप।

तार पता - "पेटेंटफिल"

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम ऐलेस, दिव्यतीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वाँ तल,
234/4, आन्ध्र प्रदेश यांग मार्ग,
कलकत्ता-700 020।

भारत का अवधेश क्षेत्र।

तार पता - "पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र सूचनाएँ, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : शुल्कों की ज्ञानशीली या शो नकद वी जांगड़ी अथवा उपयुक्त कार्यालय में नियंत्रक को भूगतान योग्य धनादेश अथवा डाक आवेदन या जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भूगतान योग्य भैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है।

ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-:

स्वीकृत सम्पूर्ण विविहित

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के लिये कार्यालय के विविहित प्रपत्र 14 पर आवेदित एक सहित की अवधि में अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय में एसे विवेद की सूचना दियी गयी प्रपत्र 15 पर दे सकते हैं। विवेद संबंधी लिखित वक्तव्य उक्त सूचना के साथ अथवा पेटेंट नियम, 1972

के नियम 36 में यथा विहित इसको तिथि के एक महीने के भीतर ही फाल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए गयीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुसृत हैं।”

रूपांकन (चित्र आरेखों) की फॉटो प्रतियां यदि क्षम हों हैं, के साथ विनिर्देशों की अंकित अथवा फॉटो प्रतियां की आपूर्ति पेटेंट कार्यालय, कलकृता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिपान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अवायगी पर की जा सकती है। विनिर्देश को पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे घण्टित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (क्षमीक प्रत्येक पृष्ठ का लिपान्तरण प्रभार 2/- रु. है) फॉटो लिपान्तरण प्रभार का परिकलन किया जा सकता है।

Cl. : 58 B

179191

Int. Cl. : E 06 B 5/16.

A DOOR, OR A CORE PANEL FOR A DOOR, CONSISING ESSENTIALLY OF A LIGHTWEIGHT RECTANGULAR EXPANSE OF A SET AND HARDENED MATERIAL.

Applicant & Inventor : LEE HOONG THYE, OF 88 BIN-JAI PARK, SINGAPORE 2158, SINGAPORE.

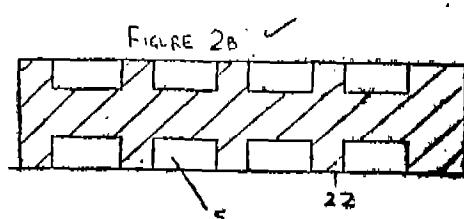
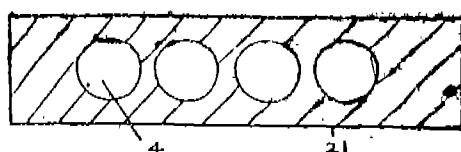
Application No. : 257/Cal/1993 filed on 5th May, 1993.

(Convention No. 9210187.2 on 12-05-1992 in United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

Claims 10

A door or a core panel for a door, consisting essentially of a lightweight rectangular expanse of a set and hardened material which is fabricated from a lightweight material comprising cement or gypsum or a mixture thereof, additionally comprising one or more naturally occurring or synthetically produced particulate or fibrous additive, such as herein described, and wherein the set and hardened material comprises a multiplicity of intentionally incorporated air voids, said void material being air-entrained or aerated.



Compl. Specn : 17

pages

Drgns

: 7 sheets

Cl. :- 145 F

Int. Cl. : C 13 K 1/02

D 21 C 3/22

179192

METHOD FOR PRETREATING A LIGNOCELLULOSE-CONTAINING BIOMASS TO RENDER THE BIOMASS AMENABLE TO DIGESTION.

Applicant : THE TEXAS A & M UNIVERSITY SYSTEM, OF 310 WISENBAKER, COLLEGE STATION, TEXAS 77843-3369, UNITED STATES OF AMERICA.

Inventors : 1. MARK THOMAS HOLTZAPPLE;
2. RICHARD READ
3. MURLIDHAR NAGWANI.

Application No. 463/Cal/1993 filed on 13th August, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

Claims 29

A method for pretreating a lignocellulose containing biomass to render the biomass amenable to digestion comprising :

- providing the lignocellulose-containing biomass;
- adding calcium hydroxide and water to the biomass to form a mixture in higher water-loading, compared to that in hitherto known pretreatment with calcium hydroxide at ambient temperature; and
- maintaining the mixture at greater than or equal to 40°C, but without boiling and for less than or equal to 36 hours to render the biomass of the mixture amenable to digestion, and, optionally, digesting the biomass of the mixture to convert the biomass into a useful product such as herein described

Compl. Specn : 64 pages

Drgns

: 8 sheets.

Cl. : 40 B

179193

Int. Cl. : C 08 F 4/78

A CHROMIUM CATALYST COMPOSITION FOR OLEFIN POLYMERIZATION.

Applicant : PHILIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventors : 1. RICHKEY DON BADLEY 2. ELIZABETH ANN BENHAM 3. MAX PAUL McDAMÉL.

Application No. : 540/Cal/1993 filed on 15th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

Claims 25

A chromium catalyst composition for olefin polymerization which comprises at least two chromium catalyst systems, wherein each of said at least two chromium catalyst systems comprises chromium and a support, wherein the support comprises silica, wherein the support of at least two of said at least two chromium catalyst systems have an average pore radius difference which preferentially introduces a non-ethylene comonomer into a higher molecular weight portion of a resulting copolymer, wherein said support comprises at least 80 weight percent silica based on the weight of the support and said chromium is present in said chromium catalyst systems in an amount of 0.1 to 5 weight percent, based on the weight of the chromium and the support and wherein, if desired, at least one of said support consists essentially of silica and at least 0.1 weight percent titania where the weight percent is based on the weight of the support.

Compl. Specn : 20 pages

Drgns

: Nil.

Ind. Cl. : 150

G

179194

Int. Cl. : F 16 C 7/06.

Fig. 5

CONNECTING PIN.

Applicant : TATSUO ONO, OF 5-20-13, MATSUGAOKA,
FUNABASHI, CHIBA, JAPAN.

Inventors : (1) KIKUZA KURAMOTO
(2) YOSHIYUKI SUZUKI.

Application No. 567/Cal/1993 filed on 27th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

5 Claims

A connecting pin (1), comprising :

a column like body (9);

a flange (10) for locking provided on the rear end of said body (9);

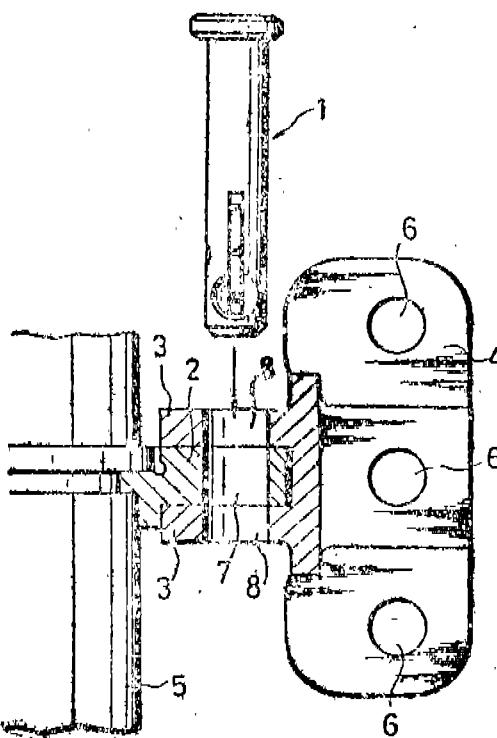
an elongated hole (11) formed through a shank part on the forward end of said body;

a shaft (2) extending through said shank part in a direction intersecting said elongated hole;

two opposed holes (17) formed in said shank part in parallel with said shaft;

a lock piece (13) supported on said shaft at a midway point and having a plurality of slots (16) in both sides thereof, said lock piece being rotatable in said elongated hole; and

a positioning member (14, 15) provided in each said opposed hole to selectively engage in one of said slots.



Compl. Specn. 11 pages:

Drgns. 4 sheets.

Cl. : 39 E 179195

Int. Cl. : B 01 J 23/58.

A PROCESS FOR THE PREPARATION OF VINYL ACETATE CATALYST.

Applicant : HOECHST CELANESE CORPORATION, OF ROOT 202-206 NORTH, SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : PHILIP M. COLLING.

Application No. 602/Cal/1991 filed on 21th October, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta,

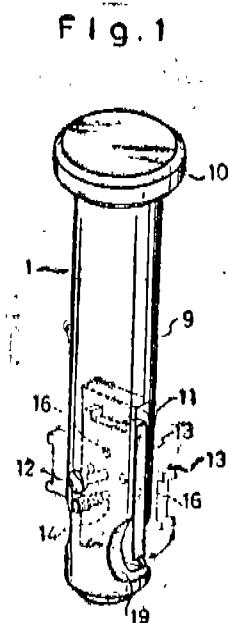
5 Claims

A method of preparing a catalyst composed of a porous support as herein described containing thereon precious metals consisting of gold and palladium, comprising :

impregnating said support with water-soluble salt of said precious metals, wherein said gold salt is present in an amount of 10 to 70% by weight of said palladium salt, allowing the impregnated supports to stand for at least 4 hours, converting said water soluble precious metal compounds to water-insoluble precious metal compounds by contacting said impregnated support in a first-fixing stage with a solution containing sodium or potassium hydroxide to precipitate on said support said water-insoluble precious metal compounds allowing the impregnated supports after the first-fixing stage to stand for at least 4 hours, contacting the said first-fixed, impregnated supports with additional sodium or potassium hydroxide in a second-fixing stage to further precipitate on said support said water-insoluble precious metal compounds, washing the second-fixed supports and reducing said water-insoluble precious metal compounds with a reducing agent as herein described to form free precious metals on said supports.

Compl. Specn. 14 pages;

Drng. Nil,



Cl. : 126 D

179196

Int. Cl⁴ : H 03 B 1/04.

APPARATUS FOR DETERMINING ORDERS OF NGN-CHARACTERISTIC HARMONIC CURRENTS OF A SECOND POWER SUPPLY GRID.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSHACHER-PLATZ 2, 8000 MUENCHEN 2, GERMANY.

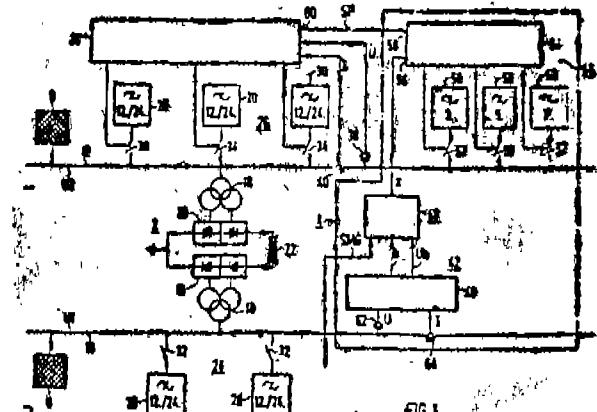
Inventors : (1) KADRY SADEK
(2) NORBERT CHRISTE
(3) PETER IUEIZELBERGER.

Application No. 663 /Cal/1993 filed on 2nd November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

5 Claims

Apparatus for determining orders of non-characteristic harmonic currents (I_{lh}) of a second power supply grid (B), which is coupled to a first power supply grid (6) by means of a high-voltage DC transmission system (2) and for compensating these non-characteristic harmonic currents (I_{lh}), the supplying power supply grid (6) having initial distortion (U_{ih}) of the voltage (U_1) by a low-frequency harmonic, which occurs because of the short coupling (2), comprising a device (46) for determining an order (h) of initial distortion (U_{ih}) of the voltage of the supplying power supply grid (6), said device (46) having a voltage and/or current measurement (62, 64) connected thereto or a device (48) for determining the order (Z) is of a lowest non-characteristic harmonic on the second three-phase side of the system (2) as a function of the determined magnitude and the determined order (h) of the initial distortion (U_{ih}) of a voltage symmetry signal (SMG) and of an order (n), which is determined in the meantime, of a lowest-characteristic harmonic on the DC side of the system (2), said device (43) being connected downstream of the device (46) for determining the initial distribution (U_{ih}), and comprising; a compensation system (44). For the non-characteristic harmonic currents (I_{lh}) in the second power supply grid (8), the control input (56) of which condensation system (44) is connected to the output of the device (48) for determining the order (Z) of a lowest non-characteristic harmonic, it being possible to connect the outputs of this compensation system (44) to the second power supply grid (8),



(Compl. Specn. 14 pages;

Drgns. 2 sheets.)

Cl. : 40 A 2

179197

Int. Cl. : B 01 J 8/08.

A FLUIDIZED GASIFIER

Applicant : THE BABCOCK & WILCOX COMPANY, OF 1450 POYDRAS STREET, P.O. BOX 60035 NEW ORLEANS, LA 70160 UNITED STATES OF AMERICA.

Inventors : (1) ROBERT ALEXANDER MCILROY
(2) ROBERT ANDREW KUCHNER
(3) JOHN EDWARD MONACELLI
(4) DENNIS WAYNE JOHNSON.

Application No. 173/Cal/1994 filed on 17th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

23 Claims

A fluidized gasifier for producing a product gas, comprising :

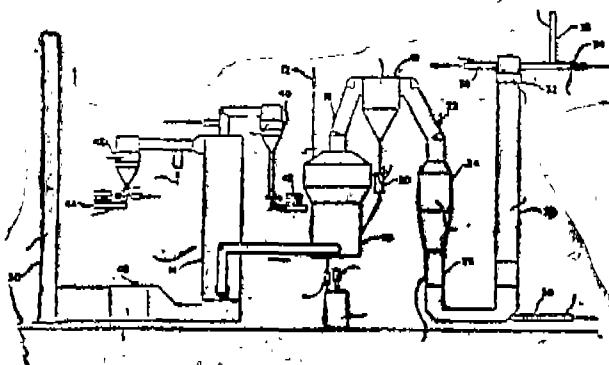
a gasifier reactor having at least one fluidizing bed located therein and provided with an inlet and an outlet;

means for heating the at least one fluidizing bed in said gasifier reactor to a selected temperature, said heating means providing a heated fluid stream for fluidizing the bed through the inlet of said gasifier reactor;

means for introducing a residual waste liquor into said gasifier reactor to produce a product gas stream;

dust collector means positioned downstream of said gasifier reactor for removing dust from the product gas stream; and

condensing heat exchanging means for recovering heat from the product gas and removing an acid gas therefrom with participate for cleaning the product gas and recycling chemicals from the component.



(Compl. Specn. 31 pages;

Drgns,

5 sheets.)

Cl. : 158 A D

179198;

Int. Cl. : B 61 D 47/00.

A RAIL LOADING TRAIN FOR TRANSPORTING AND FOR LOADING AND UNLOADING LONG RAILS.

Applicant : GEORG ROBEL GMBH & CO. OF D-81371 MUNCHEN, THALKIRCHNER STRASSE 210 GERMANY.

Inventors : (1) HERTELENDI JOSEF
(2) STROBL BRUNO.

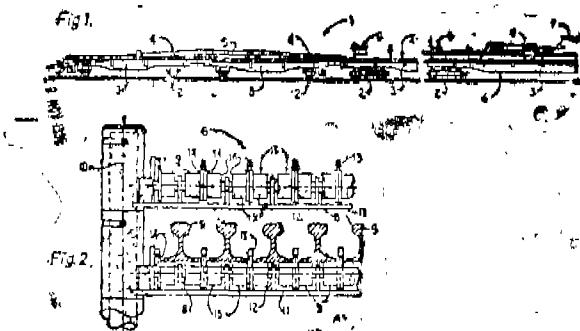
Application No. 198/Cal/1994 filed on 24th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

7 Claims

A rail loading train for transporting and for loading and unloading long rails (5), comprising wagon frames (3) supported on track undercarriages (2) and rail supports (6), extending at right angles to the longitudinal direction of the wagon, with rollers provided for supporting the long rails (5) and, if appropriate, vertically extending spacer bars (13) located between them, characterized in that each roller is

designed as a flanged roller (9) having at least one flange (14) arranged on the end face.



(Compl. Specn. 7 pages;

Drgns. 1 sheet.)

Cl. : 40 B

179199

Int. Cl. : D 01 J 31/02, 31/06

A CATALYST SYSTEM FOR NUCLEOPHILIC AROMATIC SUBSTITUTIONS

Applicant : HOECHST AKTIENGESELLSCHAFT, OF D-65926 FRANKFURT AM MAIN, GERMANY.

Inventors : 1. THOMAS SCHACH 2. THEODOR PAPENFUHS.

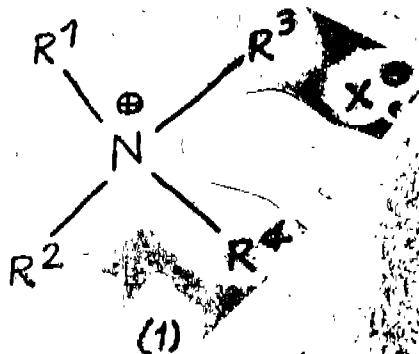
Application No : 485/Cal/1994 filed on 24th June, 1994.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

9 Claims,

A catalyst system for nucleophilic aromatic substitutions, consisting essentially of a mixture of

(a) one or more quaternary ammonium compounds(s) of the formula (I')



wherein

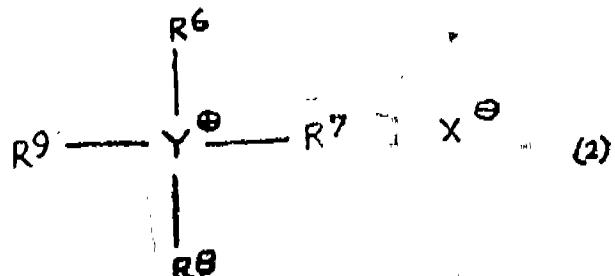
R¹, R² and R³ identical or different andare a linear or branched alkoxy polyoxyalkyl radical of the formula -(C_mH_mO)_pR⁵, in which R⁵ is hydrogen or a linear or branched alkyl radical having from 1 to 16 carbon atoms, m is an integer from 1 to 10 and, p is a number from 1 to 15; or a linear or branched alkyl radical having from 1 to 30 carbon atoms;

or an unsubstituted phenyl or naphthyl radical;

or a substituted phenyl or naphthyl radical, with the substituents being halogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, nitro or cyano;R⁴ is a linear or branched alkoxy polyoxyalkyl radical of the formula -(C_mH_{2m}O)_pR⁵ and;

X- is an inorganic anion; and atleast one component selected from the group of compound (b) and (c);

(b) one or more quaternary ammonium salt(s) or phosphonium salt(s) of the formula (2)

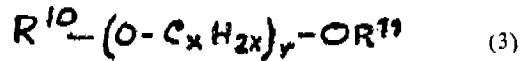


wherein

R⁶, R⁷, R⁸ and R⁹ are identical, or different and are a linear or branched alkyl radical having 1 to 22 carbon atoms; or an unsubstituted or substituted aryl radical or a C₁-C₄-alkyl-aryl radical, with aryl being phenyl or naphthyl and the said substituents being halogen, C₁-C₄-alkyl, C₁-C₄-alkoxy, nitro or cyano; and

Y is N or P;

(c) one or more of compounds of the formula (3) or a crown ether



wherein

R¹⁰ and R¹¹ are identical or different and are hydrogen or a linear or branched alkyl radical having from 1 to 16 carbon atoms;

x is a number from 0 to 20;

is a number from 0 to 20, the component (a) makes up from 5 to 95% by weight of the total catalyst.

(Compl. Specn. : 17 Pages)

Cl. : 55F

179200

Int. Cl. : A 61 K 35/54

PROCESS FOR OBTAINING ULTRA PURE EGO OIL.

Applicant & Inventor : DR. MED. WERNER CH. Nawrocki, OF LANDVOGTSTRASSE 4. D-60320 FRANKFURT MAIN, GERMANY.

Application No. : 165/Cal 1994 filed on 17th February, 1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972; Patent Office, Calcutta.

10 Claims

A process for obtaining ultrapure egg oil from avian or reptilian egg yolk, characterized by the following process steps :

(a) drying the egg yolk at temperatures up to 90°C and comminuting the dried egg yolk to give a pulverulent product (A),

(b) extracting the product (A¹) obtained in step (a) over a period of three to seven days using a fat-dissolving extractant,

(c) slowly distilling off the extractant to obtain a viscous residue (B),

(d) ageing the residue (B) obtained in step (c) at ambient temperature over a period of up to 10 hours, preferably for five to seven hours.

(e) further ageing the residue (B) at a temperature of between 7 and 12°C over a period of up to 24 hours until distinct phase separation takes place,

(i) separating off the less viscous phase (C) formed upon phase separation in step (c),

(g) centrifuging the less viscous product (C) obtained in step (f) for 20 to 40 minutes at a speed up to 7,000 revolutions per minute, and separating off the less viscous phase (D),

(h) mixing the product (D) obtained in step (g) with demineralised water in a ratio of 1:2 to 1:5 by volume, and heating the mixture over a period of 30 to 90 minutes at a temperature of 90 to 120°C, preferably 95 to 100°C,

(i) cooling the aqueous mixture obtained in step (h) to ambient temperature, and separating off the less viscous component (E),

(j) centrifuging the product (E) obtained in step (i) for 20 to 40 minutes at a speed of up to 7,000 revolutions per minute, and separating off the less viscous phase (F),

(k) holding the product (F) obtained in step (j) at temperatures from 7 to 12°C over a period of up to 24 hours until distinct phase separation takes place, and separating off the less viscous phase (G),

(l) centrifuging the product (G) obtained in step (k) for 20 to 40 minutes at a speed of up to 7,000 revolutions per minute, and separating off the less viscous phase (H),

(m) if appropriate, repeating the measures of steps (h) to (l) or (j) to (i) using the product (H) obtained in step (1).

(Compl. Specn. : 10 Pages) Drgns. : Nil)

Ind. Cl. : 160 A D 179201

Int. Cl.⁴ : B 60 R 27/00

A TRACTION DEVICE.

Applicant : VARADA PRASHANT RAO 12 LLOYD ROAD, COOKE TOWN, BANGALORE-560 005, AN INDIAN CITIZEN.

Inventor : VARADA PRASHANT RAO.

Application No. : 629/Mas/90, filed on 3rd August 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

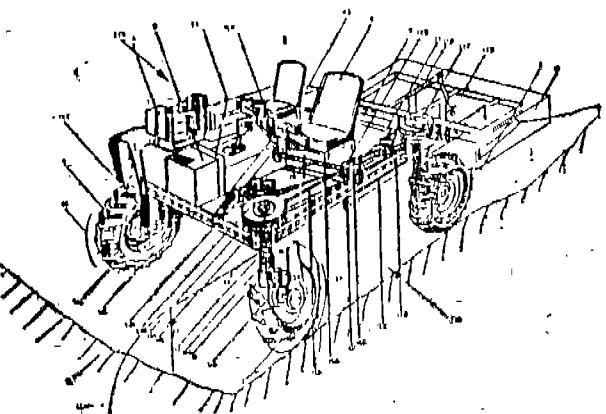
A traction device comprising :

a hollow chassis and sub-frame which support the prime mover, gearbox, driver seat, and four vertical axles which are connected to four steered driving wheels, the said vertical axles drive the driving wheels through sets of gears contained in articulating final drive cases;

Clutch brakes connected to foot, pedals in front of the driver seat and are located between the gearbox and cross shafts, the cross shafts are provided pulleys at their ends, from which belts transmit drive to pulleys mounted on top of the vertical axles;

a steering linkage connected to the driving wheels through the inner support tubes of the said vertical axles, the linkage is moved by a central oscillating link which is turned by geared shafts in the steering wheel gear box;

a hitch linkage which is attached on one end to the load or implement and on the other end to the said traction device at points underneath the hollow chassis.



(Compl. Specn. : 15 Pages; Drwgs. : 6 Sheets)

Ind. Cl. : 114 D, E

179202

Int. Cl.⁴ : C 14 C 1/00

A PROCESS FOR MANUFACTURING LEATHER.

Applicant : MINNESOTA MINING & MANUFACTURING COMPANY, A DELAWARE CORPORATION OF 3M CENTER, SAINT PAUL MINNESOTA 55144-1000 U.S.A.

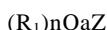
Inventors : 1. MIGUEL BLANCO RODRIGUEZ, 2. CLAUDIO MONTORO MARTINEZ.

Application No. : 803/MAS/90, filed on October "0, 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A process for manufacturing leather from animal hide using processing baths of aqueous treating compositions comprising the steps of hydrating, bathing, pickling, decreasing, and tanning, at least one said bath containing a small amount of at least 0.001% by weight of an anionic, cationic, non-ionic or amphoteric fluoroochemical processing aid which contains (a) one or more fluorinated aliphatic radicals, R₁, which provide at least 10 per cent by weight fluorne to said processing aid and (b) one or more water-solubilizing groups in at least one of said steps, said processing aid being represented by the formula



wherein

R₁ is a saturated, monovalent, non-aromatic fluoroaliphatic radical having at least three carbon atoms and not more than about 20 carbon atoms; with the proviso that if hydrogen or chlorine atoms are present as substituents, not more than one atom of hydrogen or chlorine is present for every two carbon atoms;

Q is alkylene, arylene, sulfonamidoalkylene carbonylalkylene, or siloxane;

Z is a water-solubilizing polar group selected from the group consisting of :

- (i) anionic groups which are COM, COM⁻, SO₃H, SO₃M, OSO₃H, OSO₃M, OPO(OM)₃, where M is a metallic ion, an ammonium ion, or other amino cation;
- (ii) cationic groups which are NH₃⁺, NHR₃⁺, NR₂O where R is a lower alkyl group, NR₃A' where R' is a lower alkyl group or hydrogen and A' is chloride, sulfate, phosphate or hydroxyl; or

(iii) non-ionic groups which are NR^2 -7, where R is a lower alkyl group and poly (oxyalkylene);

a is zero or 1; and

n is 1 or 2 or

said processing aid is a fluorochemical oligomer containing 3 to 30 monomer units and having a plurality of pendant fluoroaliphatic groups, R, linked to water-solubilizing poly (oxyalkylene) moieties.

Com. : 30 Pages)

Ind. Cl. : 80K. 179203

Int. Cl.⁴ : B 01 D 13 00.

"A FLUID FLOW CONTROL APPARATUS HAVING TRANSMEMBRANE PRESSURE CONTROLLED FILTRATION ELEMENT".

Applicant : BIO-FLO LIMITED, OF 32 ST ANDREWS ROAD, GLASGOW GAI 1ST, UNITED KINGDOM, A BRITISH COMPANY.

Inventor : ROBERT G. HOOD.

Application No. : 818/Mas/90 filed on 16th October, 1990.
(Convention Date : 17th October, 1989; No. 8923376. British).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office, Madras Branch.

12 Claims

A fluid flow control apparatus Having transmembrane pressure controlled filtration element, comprising filter means having an inlet for receiving an inlet fluid to be filtered and an outlet for receiving; the outlet fluid from said filter means an inlet bleed conduit for fluid communication between the inlet and outlet, first pressure monitoring means associated with the inlet for measuring the inlet pressure to said filter means, second pressure monitoring means associated with the outlet for measuring the pressure of the outlet fluid, means for comparing the inlet and outlet pressures measured and flow control means coupled to said first second pressure monitoring means to provide a comparison signal, the flow control means being responsive to the comparison signal to control the flow of fluid through said filter means by varying the flow of inlet fluid through the inlet bleed conduit to optimise Control of the transmembrane pressure and filtration,

(Compl. Specns. : 22 pages; Drwgs. : 4 Sheets)

Ind. Cl. : 32 E 179204
Int. Cl.⁴ : C 08 F 210/00.

"A PROCESS FOR THE COPOLYMERIZATION OF A MIXTURE OF MONOMERS COMPRISING PROPYLENE AND 1-BUTENE".

Applicant : UNION CARBIDE CHEMICALS AM} PLASTICS COMPANY INC., 39 OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817—0001, U.S.A.

Inventors : (1) FRED CHUN-CHIEN TWU,
(2) HAROLD KURT FICKER,
(3) IAN DONALD BURDETT.

Application No. : 870/Mas/90, dated 30, October, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office, Madras Branch.

21 Claims

A process for the copolymerization of a mixture of monomers comprising propylene and 1-butene which comprises contacting the monomers and hydrogen in the gas phase in a single stage reaction zone, under polymerization conditions, with a catalyst system comprising (i) a solid catalyst precursor, which has magnesium, titanium, a halogen which is chlorine, bromine, or iodine, or a mixture thereof; and a polycarboxylic acid ester containing two coplanar ester groups attached to adjacent carbon atoms; (ii) a hydrocarbyl aluminum cocatalyst; and (iii) a silicon compound such as herein

described containing at least one silicon-oxygen-carbon group, at a temperature, of from 50°C to 90°C, wherein : (a) the atomic ratio of aluminum to titanium is in the range of 10 to 300; (b) the molar ration of aluminum to silicon compound is in the range of 0.5 to 10; (c) the propylene partial pressure is in the range of 50 to 450 psi; (d) the 1-butene partial pressure is in the range of 10 to 50 psi; (e) the hydrogen partial pressure is in the range of 0.1 psi to 80 psi; (f) the superficial gas velocity is in US range of 1 to 3 feet per second; and (g) the molar ration of 1-butene to propylene is in the range of 0.01 : 1 to 0.4 : 1.

Agent : Depenning & Depenning.

Compl. Specns. : 28 pages)

Ind. Cl. : 33 A

179205

Int. Cl.⁴ : B 22 D 1/00.

A ROLL FOR A DEVICE FOR THE CONTINUOUS CASTING OF THIN METAL PRODUCTS.

Applicant : USINOR SACLOR 4, PLACE DP. LA PYRAMIDE-LA DEFENSE 9-92800-PUTEAUX (FRANCE).

Inventors : (1) JACQUES BARBE,
(2) ALAIN CHALLAYE,

Application No. 878/Mas/90 dated November 1, 1990.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 claims

A roll for a device for the continuous casting of thin metal products on a roll or between two rolls, said roll comprising a core and a sleeve provided with ducts for the circulation of a cooling fluid, the said sleeve is rigidly connected to the core in its axially median part and on substantially the whole of its circumference to prevent any axial and radial displacement, in said median part, of the sleeve relative to the core, the said sleeve is in contact with the core throughout its width and having radial means for maintaining by its edges the sleeve on the core to allow an axial displacement and not a radial displacement of said edges of the sleeve relative to the core.

(Compl. Specn. 20 pages; Drwngs. 3 sheets.)

Ind. Cl. : 160-C. 190-D 179206

Int. Cl.⁴ : B 60 K 9/00.

POWER VEHICLES.

Applicant : GOPI MADURAL, INDIAN, NO 2/6, AY-YAPPA NAGAR, VANAGARAM, (PO) MADURAVOIL, CHENNAI-602 102.

Inventor : GOPI MADURAL

Application No. 900/MAS/90 filed on 9th November 1990. Complete Specification Left : 28th January 1992.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A power Vehicle comprising a plurality of wind rotors connected to Generators or wind turbines through Jacking systems to raise or lower the wind rotor shafts, the Generators being connected to an Electrical Motor through storage and distribution devices, The Electrical Motor being connected to the Vehicles propeller shaft through belt or chain.

(Compl. Specn. 20 pages; Prov. 4 pages; Drwngs. 5 sheets.)

Ind. Cl. : 131 B4 179207

Int. Cl.⁴ : E 21 B 10/46.

AN IMPROVED BUTTON BIT FOR DRILLING APPLICATIONS.

Applicant : WIIDIA (INDIA) LIMITED, 8/9TH MILE, TUMKUR ROAD, BANGALORE-560 073, KARNATAKA.

Inventors : (1) MAHESH KUMAR SHARMA
(2) NATARAJAN RATAMANI
(3) RANGERAJAN SRINIVASAN,

Application No. 927/MAS/90 filed November 19, 1990.
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972) Patent Office, Madras Branch.

5

Claims

An improved button bit for drilling applications comprising a shank terminating in a head with flushing grooves and face flushing holes thereon a plurality of face carbide button and gauge carbide buttons provided on the head characterised in that the rows of carbide buttons in the gauge plane area gauge carbide buttons and the adjoining outermost carbide button in the face plane and a shim is provided between the bottom of each carbide button and the base of the corresponding button hole to serve as a damper.

(Compl. Specn. 12 pages; Drwgs. 9 sheets.)

Ind. Cl. : 172-E 179208

Int. Cl.⁴ : B 65 H 63/00.

A DEVICE FOR QUALITY ASSESSMENT OF YARNS.

Applicant : ZELLWEGER USTER AG WILSTRASSE 11 CH-8610 USTER SWITZERLAND, A SWISS COMPANY.

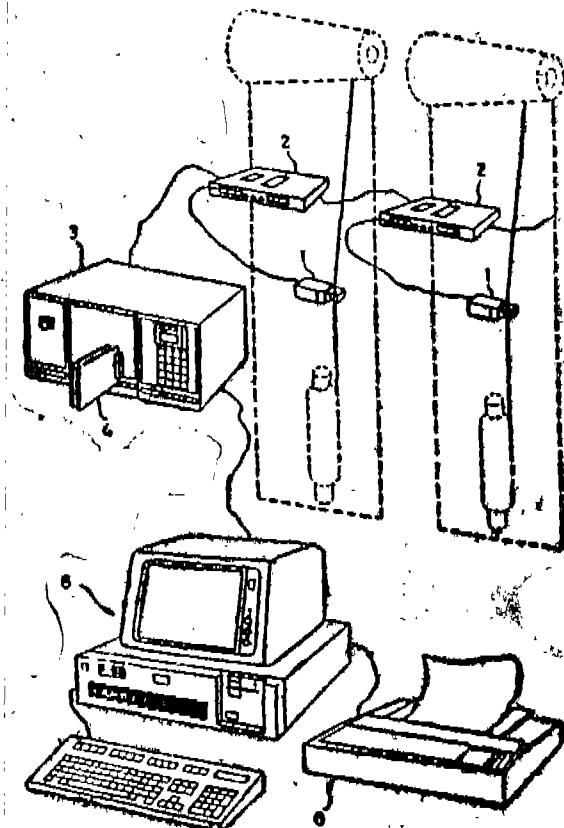
Inventor : AEMMER PETER F.

Application No. 1007/MAS/90 filed on 13th December 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents; Rules, 1972), Patent Office, Madras Branch.

3 Claims

A device for quality assessment of yarns comprising measuring heads (1) for scanning; the cross-section of a yarn to be assessed, a control means (3), and evaluation units (2) to which the measuring heads and the control means are connected, said control means (3) containing a processor unit (4) containing digitalising means, comparing means and means for storing setting parameters and signals supplied by the evaluation units (2); means for storing a program, and, a program for operating said processor unit for producing clearer signals once yarn signals exceeds limits produced starting from said setting parameters.



(Compl. Specn. 11 pages; Drwgs. 2 sheets.)
2—237 GI/97

Ind. Cl. : 85 G

174209

Int. Cl.⁴ : H 22 D 29/00.

METAL CASING APPARATUS.

Applicants : CHARLES DANIEL BROWN, OF 70 WOOD-VALE COULBY NEWHAM, MIDDLESBROUGH, CLEVELAND, ENGLAND.

and

DEHWIS O' SULLIVAN, OF TY-COCH, ALWEN DRIVE, CWM-TALWAG, RARRI, SOOTH GLAMORAN, WALES. CF6 8HL, BOTH BRITISH NATIONALS.

Inventors : CHARLES DANIEL BROWN
and

DENNIS & SULLIVAN BOTH BRITISH NATIONALS,
Application No. 1043/MAS/90 filed on 26th December,

(Convention dated : 27th December 1989 No. 89.29193.4 U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch,

8 Claims

Metal casting apparatus comprising a container (2) for molten metal to be cast, said container (2) having a nozzle (4) in the base thereof for passage therethrough of the molten metal, and a substantially upright, elongate stopper (8) within the container (2), said stopper (8) having a lower nose end (10) positioned adjacent said nozzle (4), characterised in that a barrier member (28) which is positioned between the nozzle (4) and the nose end (10) of the stopper (8), the barrier member (28) being of a refractory material with stranding temperature associated with pre-and postheating of the apparatus and combustible at temperatures associated with the molten metal, and being deformable on return of the stopper to its closed position, the barrier member (28) conforms with the shape of the nozzle (4) and the nose end (10) of the stopper (8).

(Compl. Specn. 17 pages; Drwgs. 5 sheets.)

Ind. Class : 32-F2(b)

179210

Int. Cl.⁴ : C 07 D 401/00

A PROCESS FOR PREPARING A LIPOPEPTIDE DERIVATIVE.

Applicant : HOECHST AKTIENGESELLSCHAFT, D-6592 FRANKFURT AM MAIN, FEDERAL REPUBLIC OF GERMANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

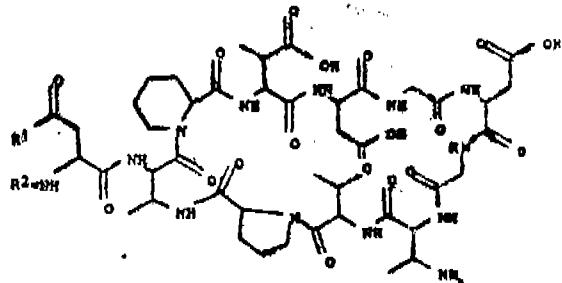
Inventors : (1) RUDOLT LATTRELL,
(2) THEODOR WOLLMANN,
(3) HOLGER WALLIMETER,
(4) PETER HAMMANN,
(5) DIETER ISERT.

Application No. 717/Mas/94 dated August 1, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch,

2 Claims

A process for preparing a lipopeptide derivative of the formula I

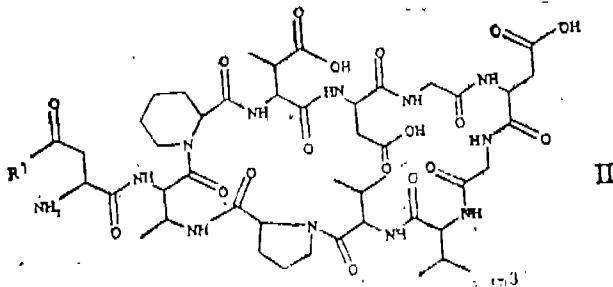


in which

R¹ is OH or NH₂

R² is a straight-chain or branched, saturated or unsaturated aliphatic C⁴-C₂₂-acyl radical which may be interrupted by phenyl or cycloalkyl groups or by oxygen,

which comprises rendering a compound of the formula II



in which

R¹ is as defined above

R³ is an amino protective group known from peptide chemistry, preferably the tert-butoxycarbonyl (BOC), the benzyloxycarbonyl (Z, Cbz) the fluoronylmethoxycarbonyl (Fmoc) or the allyloxycarbonyl (Alloc) protective group with a carboxylic acid of the formula III or its derivative

R²OH

III

in which

R² is as defined above and recovering the lipopeptide derivative in a known manner.

(Compl. 27 Pages)

AMENDMENT PROCEEDINGS UNDER SECTION-57

The amendments proposed by ANSTALT GERSAN LIECHTENSTEIN in respect of Patent Application No. 577/Mas/89 (170331) as advertised in Part III, Section 2, of the Gazette of India, dated 18th February, 1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by ANSTALT GERSAN LIECHTENSTEIN in respect of Patent Application No. 578/Mas/89 (170332) as advertised in Part III, Section 2, of the Gazette of India, dated 18th February, 1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by ANSTALT GERSAN LIECHTENSTEIN in respect of Patent Application No. 579/Mas/89 (170333) as advertised in Part III, Section 2, of the Gazette of India, dated 18th February, 1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by "DARTNELL ENGINEERING & INNOVATION PTY. LTD." in respect of Patent No. 2/Mas/89 (172801) as advertised in Part III, Section 1 of the Gazette of India on 18-2-1995 and no Opposition being filed within the stipulated period the said amendments have been allowed.

The amendments proposed by THE ENGLISH ELECTRIC COMPANY OF INDIA LIMITED, Madras, in respect of Patent Application No. 770/Mas/89 (172807) as advertised in Part III, Section 2 of the Gazette of India, on 18-2-1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by VIEW-MASTER IDEAI GROUP INC., U.S.A. in respect of Patent No. 36/Mas/91 (173168) as advertised in Part I II. Section 2 of the Gazette of India dated 18-2-1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by THE ENGLISH ELECTRIC COMPANY OF INDIA LTD., Madras, in respect of Patent No. 754/Mas/89 (173727) as advertised in part III, Section 2 of the Gazette of India dated 25-2-1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by the AMERICAN TELEPHONE & TELEGRAPH COMPANY, U.S.A., in respect of Patent No. 606/Mas/92 (174338) as advertised in part in Section 2, of the Gazette of India on 25-2-1995 and no opposition being filed within the stipulated period, the said amendments have been allowed.

Request for amendment for change of the name of the patentee N. V. PHILIPS GLOEPLANPENFABRIEKEN, a limited liability Company organized and established under the laws of the Kingdom of the Netherlands at Groenewoudseweg 1, Eindhoven, The Netherlands to PHILIPS ELECTRONICS N. V. in the application for patent No. 175971 as advertised in the part III. Section 2 of the Gazette of India dated 14-1-97 had no Opposition with the stipulated period, the said amendments has been allowed.

OPPOSITION PROCEEDINGS

An Opposition entered by M/s. Bajaj Auto Limited, Pune to the grant of a patent on Application No. 170737 (452/Del/87) has been dismissed and the application for patent has been ordered to proceed for sealing.

An Opposition entered by Bajaj Auto Limited, Pune to the grant of a patent Application No. 170741 (658/Del/86) has been allowed and the application for patent is refused.

An Opposition entered by Hindustan Level Limited, Bombay to the grant of a patent application No. 176263 (709/Del/89) has been disposed off. The said application has been treated as abandoned and no patent shall be sealed thereon.

An Opposition has been entered by All India Rice Exporters Association (Regd), New Delhi to grant of a patent, on Application No. 177467 (237/Del/92) dated 17th March, 1992 made by Rice Tec Inc., USA.

An Opposition has been entered by All India Rice Exporters Association (Regd.), New Delhi to grant of a patent on Application No. 177470 (1286/Del/95) dated 10th July, 1995 made by Rice Tec Inc., USA.

RENEWAL FEES PAID

| | | | | | | | |
|--------|---------|--------|--------|--------|--------|--------|--------|
| 162980 | 162979 | 167336 | 167337 | 167338 | 167814 | 165595 | 167802 |
| 161884 | 173926 | 175161 | 167801 | 174494 | 171902 | 161450 | 170220 |
| 160123 | 167798 | 169702 | 165547 | 174336 | 171714 | 173126 | 174894 |
| 161437 | 167812 | 171515 | 161195 | 160729 | 169936 | 174061 | 165267 |
| 161885 | 165121 | 172061 | 173369 | 173370 | 172579 | 172530 | 165482 |
| 172155 | 174055 | 169874 | 173320 | 166291 | 171592 | 173116 | 174105 |
| 168123 | 169969 | 169849 | 165266 | 165404 | 174066 | 172111 | 161954 |
| 167055 | 167257 | 168592 | 174966 | 171672 | 171457 | 165302 | 165270 |
| 168370 | 167816 | 167817 | 171437 | 170666 | 170548 | 174287 | 167746 |
| 172648 | 165874 | 174961 | 177298 | 177283 | 169710 | 173761 | 172114 |
| 173610 | 173842 | 174893 | 171179 | 174746 | 167875 | 168361 | 172955 |
| 170043 | 172510 | 173658 | 165876 | 165268 | 169160 | 165269 | 167749 |
| 176776 | 176777 | 176744 | 172221 | 174963 | 162138 | 170127 | 173839 |
| 173847 | 171909 | 171340 | 169872 | 174288 | 174739 | 167907 | 166014 |
| 169879 | 167906 | 173374 | 171835 | 174670 | 170641 | 168114 | 165381 |
| 171867 | 175214 | 173045 | 164762 | 170714 | 174918 | 172386 | 175969 |
| 165427 | 177342 | 175549 | 171450 | 168117 | 170148 | 170677 | 177496 |
| 177489 | 177465 | 175545 | 174367 | 176286 | 177343 | 177437 | 177471 |
| 1661R6 | 161111 | 171041 | 177399 | 174536 | 174527 | 174528 | 174529 |
| 174716 | 174717 | 175220 | 175040 | 167108 | 168170 | 169698 | 169699 |
| 166405 | 171528 | 169694 | 164115 | 175991 | 161933 | 163576 | 164616 |
| 168251 | 171062 | 172879 | 175636 | 177212 | 177226 | 177321 | 177324 |
| 177325 | 177344 | 177358 | 177359 | 177360 | 177161 | 177368 | 177372 |
| 177374 | 1771776 | 177380 | 177384 | 177386 | 177389 | 177191 | 177400 |
| 177472 | 177474 | 177473 | 177480 | 177476 | 177491 | 170671 | 174756 |
| 73 | 176077 | 160022 | 162009 | 161579 | 161580 | 161749 | 167985 |

COMMERCIAL WORKING OF PATENTED INVENTIONS'

ELECTRICAL ENGG. INDUSTRY LIST NO. 1

The following Patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by Patentee in the statements field by them under section 146(2) of the Patents Act, 1970, in respect of Calender year 1995, generally on account of want of request for licences to work the patented invention. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purposes :—

| Patent No. | Date of Patent | Name & address of Patentee | Title of Inventions |
|------------|----------------|---|--|
| 1 | 2 | 3 | 4 |
| 170111 | 7-6-1988 | AEG Kabel Aktiengesellschaft, of Bonnebroicher strasse, 2-14, D-4050, Monehengladbach, 2, west Germany. | An improved high frequency cable for the transmission of high frequency signals. |
| 157993 | 23-3-82 | Alsthom-Atlantique, of 38 Avenue klober-759794, Paris, Cedex-16, France. | A supply circuit for electronic apparatus of a high electric potential. |
| 158477 | 3-11-82 | -do- | Circuit breaker. |
| 161449 | 21-9-84 | Asea Aktiebolag, of S-721183, Vasteras Sweedon. | Semiconductor valve for High Voltage application. |
| 168765 | 26-11-87 | Bailey Japan Co. Ltd, & NIP, of 551, Baraki, Nirayama-cho Tagata-Gun, Shizuoka, Japan. | Electric actuator for a control valve. |
| 172199 | 16-12-87 | Bergwerksverband GmbH, of Franz, Frsbbewe.8-61, 4300, Essen-13, West Germany. | A large capacity coking reactor. |
| 171090 | 21-7-88 | Bindicator company, 1915, Dave Street, Port Huron, Michigan-47060: | A system for indicating level of material in a vessel. |
| 168677 | 1-4-89 | Borden inc, of 180, East Broad, Street, Columbus, Ohio, 43215, USA. | Electrodes |
| 158794 | 4-6-83 | British Telecom Commications PC, 81 Newgate Street London EC1A 7AJ, England. | Optical transmission. |
| 163795 | 12-6-85 | Do. | Electronic tracking system for microwave antennas. |
| 168886 | 15-12-86 | Do. | A system for routing telecommunication traffic through a circuit switched network. |
| 170294 | 17-11-87 | Do. | A viedeo coding appratus. |
| 170322 | 28-9-87 | Do. | An appratus for translating phases from a first language into a second language. |
| 165006 | 15-7-86 | Brown Boveri & Cie AG, Kallstadter Strasse 1, D-6800, Munnheim-Katertal, West Germany, | Centralized control receiver for power distribution networks. |
| 171236 | 6-10-88 | Coda Spa, Construsioni Electromecceani, che, E, Deposit of Via, Nezionale-34, 33042, Buttrio (UC), Italy. | Device to measure the level of liquid metal in a crystallizer of a continuous casting ingot mould. |
| 158244. | 28-7-82 | CERAVER, 12 Rue de la Baume, 75008, Paris, France. | A cap for an electrical insulator. |
| 168791 | 18-4-85 | Do. | Improved insulator of the PIN' or 'POST' type. |
| 171705 | 7-6-89 | Communications, Satellite, Corporation, of 950, E' Enfant, plaza, SN, Washington.. DC, 20024. USA, | Fanal platenatena including low noise block down converter integrated therein. |
| 172376 | 8-2-89 | Do. | A printed circuit antenna. |

| 1 | 2 | 3 | 4 |
|--------|----------|---|--|
| 157916 | 5-4-82 | Compagnie Industrial Des Telecommunications Cit, -Alcatel, 12 due, de la Baume 75008, Paris France. | Time division exchange, |
| 158087 | 7-7-82 | Do. | A combination of interconnected microprocessors with a system of distributed control thereof. |
| 158332 | 28-7-82 | Do. | Synthetic reactor circuit. |
| 160100 | 20-2-84 | Do. | Signaling terminal system for No. 7, signaling system. |
| 160300 | 6-2-84 | Do. | Digital satellite exchange, |
| 160944 | 6-2-84 | Do. | System for selecting one station from a sig of stations dialoging with a main station. |
| 164033 | 7-10-85 | Compagnie Industriollo De Tubes Et. Lampes Electriques Citel, 8 Avenue Jean-Jaures, 92132, Issxy-Les, Moulineaux, France. | Discharger for the protection of coaxial conducting cables against over voltages. |
| 164324 | 28-10-85 | Do. | Arrester device for protecting a circuit against over voltage |
| 158256 | 23-4-83 | CSIR, of Rafi Marg, New Delhi-110001. | An Improved process for the preparation of anhydrous magnesium chloride for use as cell toed for the electro lytic prydution of magnésium metal. |
| 158816 | 2-2-1983 | Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India, | Digital set point proportional controller device for use with precision unit operations in the chemical industry. |
| 159408 | 4-8-84 | Do. | An inter-locking ultrasonic test jig. |
| 159410 | 7-8-84 | Do, | An improved process for the manufacture of silicon varator diodes from epitaxial water. |
| 160011 | 6-6-84 | Do. | A modified starter for a single phase induction motor, |
| 160093 | 12-9-83 | Compagnie Industrielie Das, Telecommunication Cit, Alatel, of 12, rue, de la Baume-75093, Paris, France | Apparatus for detecting a loop during ring- ing with a telephone system. |
| 160570 | 14-11-84 | Do. | A spare subscriber terminal apparatus in a digital concentrate. |
| 161135 | 10-4-84 | Do, | A digital sine and cosine function generator for use in electronic instruments which require discrete frequencies. |
| 161476 | 5-9-83 | CHUBU ELECTRIC POWER COMP, of 1, Higashishin, Cho Higashliku, Nagoya-shi Aichl-Kan, Japan. | Insulator for lighting arrestor. |
| 162352 | 8-11-85 | CSIR, Rafi Marg, New Delhi, India, | An improved process for the preparation of ruthenised titanium electrodes. |
| 162733 | 13-9-85 | Do. | Improvement in or relating to Hexadecimal key board. |
| 161980 | 1-7-85 | Do. | An improved process for the preparation of manganese dioxide titanium anodos for use in the production of electrolytic manganese dioxide. |
| 153102 | 21-2-86 | Do. | Improvements in or relating to frequency Agite magnetron. |

| 1 | 2 | 3 | |
|--------|----------|--|---|
| 163177 | 30-8-85 | CSIR, Rafl Marg, New Delhi, India. | An improved device for starting room air-conditioner units. |
| 163185 | 30-8-85 | Do. | A direct reading four probe resistivity meter. |
| 163219 | 17-2-86 | Do. | An improved processor electrolyte production of lead, |
| 163445 | 29-3-85 | Do. | Improved process for making transparent electrically conducting patterns on glass substrates for electro-optical display devices. |
| 166170 | 24-11-86 | Do. | An improved slurry electrolytic process for the production of high purity iron powder from sponge iron fines. |
| 166188 | 23-3-87 | Do. | Microprocessor based automated control unit for monitoring multi electrochemical Protection systems. |
| 166228 | 20-1-87 | Do. | An improved three phase motor starter with in built single phase preventor. |
| 166254 | 27-9-87 | Do. | Method of making chemically modified iodide ion selective electrode. |
| 167670 | 10-3-88 | Do. | A theft: alarm system. |
| 167682 | 29-1-87 | Do. | " An improved process for the manufacture of a tool for electrochemical machining of materials, and the tool so manufactured. |
| 167859 | 21-1-88 | Do. | Electronic digital maximum demand indicator. |
| 167953 | 22-2-88 | Do. | Timer actuated switch for industrial dust collectors as well as for the control of sequential cyclic switching of loads. |
| | | Do. | An improved electronic chip, |
| 168044 | 19-10-87 | Do. | Electronic control device; for electrochemical dissolution process. |
| 169587 | 10-12-87 | Do. | A device for automatic uninterrupted single phase power supply from a three phase power supply source. |
| 170228 | 5-6-87 | Do. | An improved process for the preparation of high temperature super conductor. |
| 171794 | 31-12-87 | Do. | Electrical contacts. |
| 167229 | 30-5-88 | Degussa AG, Frankfurt/Main, 6450, Hanau 1, Postfach 1345, Federal Republic of Germany, | Permoanent magnet assembly and method of making same. |
| 169014 | 24-8-87 | Emerson Electric Co, 8100 W, Florissant, St. Louis, Missouri 63136, USA. | Anode from electrolytic cell and a method of making the same. |
| 158820 | 12-7-83 | Energy Conversion Devices, of 1675, West Maple Rd, Jroy, Midugam 48084. USA. | Improved alkaline fuel cell. |
| 160085 | 13-7-83 | Do. | Thermoelectric device exhibiting, decreased stress |
| 161224 | 22-2-84 | Do. | Multilayered electronic memory arrays for use in data storage apparatus. |
| 163310 | 31-1-84 | Do. | |

| 1 | 2 | 3 | 4 |
|--------|----------|---|--|
| 162848 | 13-12-83 | FOCAS Ltd, of chency. Manor, Industrial Estate, Swindon, SN2-2PJ, England. | A fibre optic cable assembly installed with high voltage equipment. |
| 163373 | 15-4-85 | General Electric Company, of-1, River Road, Schenectady, State of New York-12305, USA, | Continuous metal tube casting method apparatus and product. |
| 163230 | 28-12-87 | Goldstar Co. Ltd, Lucky, Goldstar Twin, Towers, 20, Yeido Dong, Yongdungpo-Gu, Seoul-150, South Korea., | Flyback transformer. |
| 164539 | 20-6-86 | Heinz, Krug, Care Akademie Moru Station 24, NL-6063, NP Vlodrop, Netherland. | Circuit arrangement for testing integrated circuit components. |
| 171918 | 6-9-89 | Hitachi, Construction Machinery Co. Ltd, of 6-2 othermachi, 3-chome, chiyoda-ky, Tokyo-100, Japan, | Engine remote control system. |
| 162453 | 2I-J-85 | Hughes Aircraft Co. of 7200, Hughes, Terrace P.O. Box. 45066, Los, Angles, California, 90045-0066, formerly of 200, North Sepulvaeda, Bonievard EL, Segmdo, State of California 90245, USA. | Non-Volatile semi-conductor memory unit, |
| 162858 | 18-4-85 | Do. | Method for encapsulating and impregnating article such as electrical components. |
| 154810 | 29-6-82 | Imperial Clevite Inc, of-2550, Golf Road, Rolling Meadows Illinois-60008, USA. | Electroplating apparatus, |
| 159462 | 7-5-83 | Imperial Chemical Industries Plc, of Imperial Chemical House, Hillbank, London, SWif, 3gf, England. | Electrolytic cell containing gasket having projections and/or recesses. |
| 171701 | 19-9-88 | international Control Automation, Finance, S.A. | Advanced proportional plus integral plus derivative controller. |
| 173051 | 18-7-89 | International Control Automation, Finance, S.A. of Ville De Luxembourg-16, Rue, Des Bains, Luxembourg. | Digital electronics system for controlling a fibrer optic shedding flometer. |
| 160826 | 16-9-83 | Joumont-Schnider, 31-32, Quai De Dion Bouton, 92811, Puteaux, Cedex, Franc. | Control circuit of a synchronous motor with two induced coindings. |
| 162742 | 11-4-84 | Krone AG, of Beeskewdamm, 3-11, D-1000, Bertin-37, Germany. | Terminal elements for cable wires and drop wire cables. |
| 169083 | 9-9-87 | Klockner Cra. Patent, GmbH, Klocknerstrasse, 29, 4100, Duisburg, 1, A-West Germany. | An improved process for Producing metallic smelts in electric furnace. |
| 169207 | 5-2-87 | Lacrex Brevetti, S.A. of Via, ECo-COSa, Luce, CH, 6644, Orselina/Tl, Switzerland, | Contact breaking ignition plug. |
| 158465 | 3-11-82 | La Telemecanique, Electrique, 33 Ois, Avenue, Du Marechal-Joffre, 92000, Nanterce, France. | A mechanically controlled switch with automatic opening for a protective limiting device. |
| 158466 | 3-11-82 | Do. | A contactor apparatus. |
| 158467 | 3-11-82 | Do, | Contactor apparatus. |
| 158813 | 14-1-83 | Do. | A device for rosilienily holding a contact bridge in combination with said contact bridge. |

| 1 | 2 | 3 | 4 |
|---------|-----------|---|--|
| 159760 | 24-11-82 | L Telemecanique, Electrique, 33 Ois, Avenue, Dn. Marechal-Joffre, 92000, Nanterre, France. | A contactor having self-Protection means against the effect of the forces of repulsion between the contacts. |
| 167685 | 2-6-87 | Do. | Frequency convertor for the power supply of a synchronous motors, |
| 171351 | 13-7-87 | Do. | A device for preventing accidental change of one or more selected reset modes of manual control member. |
| 172195 | 13-7-87 | Do. | Snap acting switching device |
| 172722 | 1-7-88 | Do. | Overload thermal relay. |
| 170371 | 30-11-87 | Mas Dev Inc, of 17, Downing Three, Building 2C, Pittsfield, MA-01201, USA. | A magnetoplastic torque transducer. |
| 165457 | 10-6-86 | Mannesmann AG, F. O. Germany. | Method-and apparatus for melting a metal material. |
| 172230 | 27-12-88 | Maschinenfabrik, Reinhausen, GmbH, of Falkensteinstrasse, 8,8400, Regenburg, F.R. of Germany. | Contact device for a tap selector of a tapped transformer. |
| 172433 | 28-6-1989 | Maschinenfabrik Reinhausen GmbH, of Falkensteinstrasse 8, 8400, Regenburg, F.R. of Germany, | Tap selector for a tapped transformer. |
| 156670 | 3-8-82 | Metallurgical & Engineering Consultants (India) Ltd, Doranda, Ranchi-834002, Bihar, India | A fuse failure and no volt monitoring and protection device for a 3-phase electrical apparatus |
| 172125 | 15-6-89 | Minnesota M&M, Co., of 3M Center,Saint, Paul Minnesota, 55144, USA | A wire connector for connecting a pair of wires. |
| 172446 | 13-12-88 | Do. | An electrical terminal comprising a cylindrical contact member, |
| 168444 | 7-8-87 | Mitutoyo Mfg. Co., Ltd., of 31-19, Shibi, 5-chome, Minato ku. Tokyo-108, Japan, | Optical type displacement detecting device. |
| 169393 | 8-4-87 | Do. | A device for measuring relative displacement between a pair sealed by detecting signals of capacitance type transducers. |
| 169902 | 8-4-87 | Do. | Capacitance type transducer for measuring positions. |
| 169992 | 8-4-87 | Do | Capacitance type transducer for measuring positions. |
| 158745 | 25-3-83 | Motor Industries Co. Ltd, Hosar Adugodi, Bangalore-560030, India. | Improvements in or relating to high Voltage spark plugs. |
| 165744 | 5-6-86 | Narendra Kumar Sharma, Residing nearby Agradoot club, Brahamapur Garja, Calcutta-700084 | Improvement in TV signal booster.. |
| 165690- | 26-10-87 | GKInsulators, Ltd., of 2-56, Suda-cho, Mizuho-ku, Nagoya city, Aichi pref. Japan, | High Voltage porcelain insulators, |
| 166467 | 27-2-87 | Do. | Pollution proof insulators. |
| 172465 | 7-8-89 | Nico pyrotechaik Hans Jurgen Diederichs, GMBH & Co., of BEI DER, FEWERWERKE, D-2077, Trittau, F.R. German | An impact fuse having force bore safety. |

| 1 | 2 | 3 | 4 |
|--------|----------|--|---|
| 169049 | 16-2-88 | Nitro Nobel Ab of S-710 30 Gyttory Swedell | A firing unit for initiation of detonators |
| 167238 | 31-3-86 | Owens Illinois Television products Inc. | Sealing glass Composition for sealing TV picture tubes |
| 158640 | 16-4-83 | Outokumpu OY, Toolonkatu, 4 SF-00100, Helsinki 1, Finland. | An electric furnace intended for smelting or heating. |
| 164790 | 9-12-85 | REA, Corporation, of 30, Rockefeller, Plaza, New York, N.Y. 70020, USA. | Color picture tube having improved slit column pattern in shadow mask. |
| 164838 | 9-12-85 | Do. | Color picture tubes. |
| 165017 | 26-11-85 | Do. | Multibeam electron gun having a transition member and metal for manufacturing the electron gun. |
| 165019 | 3-12-85 | Do. | A cathode ray tube and method of making same. |
| 165143 | 3-12-85 | Do. | Color picture tube having shadow mask frame with truncated corners. |
| 165335 | 26-11-85 | Do. | electron gun assembly with reinforcing means for cup-shaped electrode. |
| 165336 | 26-11-85 | Do. | Color picture tube having improved shadow mask |
| 165337 | 26-11-85 | Do. | Colour picture tube having improved line system. |
| 165340 | 4-12-85 | Do. | Color picture tubes. |
| 165573 | 3-12-85 | Do. | Color picture tube having an improved expanded focus type is line electron ion. |
| 166707 | 19-1-87 | Do. | Color display system. |
| 169013 | 19-8-87 | Do. | A cathode ray tube. |
| 170309 | 19-8-87 | Do. | Cathode display system. |
| 162333 | 1-9-84 | Rosemount inc. of 12001, West 78th Street, Eden Prairie, Minnesota, 55344, USA. | A transducer for converting electric signal and pneumatic signal. |
| 169603 | 15-4-87 | Do. | A measurement circuit for providing an output as a function of an input. |
| 170265 | 22-9-87 | Do. | A two-wire transmitter. |
| 160165 | 26-3-84 | SAFT, 156 Avenue de Metz, 93230, Romainville, France. | A method of manufacturing an electrode for an electrochemical cell and an electrode manufactured by the method. |
| 162556 | 6-9-84 | Saint-Gobain Vitrage, "Vitrage," Les Miroirs", 18, Avenue d'Alsace, 92400, Courbevoie, France. | Electric fusion furnace for a citrifiable charge. |
| 168177 | 25-5-87 | Satake Engineering Co. Ltd. at 7-2 Sotokanda., 4-Chome Chiyoda.ku Tokyo, Japan. | Variable speed controlled induction motor. |
| 167691 | 27-3-87 | Schubert GmbH, of 7058 Urbach, 7068 West Germany. | Power line adapter example fluorescent light ballast, transformers or the like. |

| 1 | 2 | 3 | 4 |
|--------|------------|--|--|
| 158768 | 13-4-1983 | Siemens AG, of Wittelibacher pletz, 2, D-8000, Munchen 2 West Germany. | A drive mechanism for an electrical switch. |
| 159037 | 3-6-1983 | Do. | Driving mechanism for a three-position electrical switch. |
| 161399 | 17-5-1984 | Do- | A terminal arrangement for a switch-gear or a combination of switch gears. |
| 161632 | 1-8-1983 | Do. | Multi-pole high voltage circuit breaker |
| 163086 | 31-1-1986 | Do. | Low voltage circuit breaker with a current transformer. |
| 163309 | 9-10-1986 | Do. | A drilling system for an electric circuit breaker. |
| 163403 | 25-1-1985 | Do. | Electrical switch panels. |
| 163748 | 31-10-1986 | Do. | A multipole low-voltage circuit-breaker. |
| 164117 | 6-40-1986 | Do. | A contact arrangement for a low-voltage electric circuit breaker. |
| 164479 | 12-12-1986 | Do. | A disconnecting contact arrangement for switch gear movably arranged on a gudgeon assembly. |
| 165798 | 26-8-1986 | Do. | Circuit arrangement for the transmission of data signals between control devices connected to one another via a loop system. |
| 165981 | 12-3-1986 | Do. | Current transformers ; process of producing same. |
| 166387 | 36-8-1986 | Do. | A system for transmitting data between a plurality of controlsystem. |
| 166388 | 26-8-1986 | Do. | A data transmission system. |
| 167270 | 12-2-1988 | Do. | Housing for electrical switchgear. |
| 167637 | 3-10-1987 | Do, | Switch truck for enclosed electrical switchgear panel. |
| 168273 | 13-12-1986 | Do, | An electric switchgear cell. |
| 170976 | 23-1-1989 | Do. | Position monitoring apparatus |
| 159022 | 18-3-1983 | Sohlo Commercial Development Company, at midland Building Cleveland, Ohio-44145, USA. | A method of fabricating a thin film heterojunction photovoltaic cell., |
| 164131 | 26-6-1984 | Do. | Method of forming ohmic contacts, |
| 160660 | 18-1-1983 | Sony Corporation 7-35 Kitashinagawa 6-chome Shinagawa-ku Tokyo, Japan. | Tape cassette. |
| 163622 | 14-6-1982 | Do. | Magnetic disk cartridge. |
| 162325 | 19-11-1984 | Stein, Industrie of 19-21. Avenue Morane, Saulnier, 78140. Velizy, Villaconblay, France. | Apparatus for continuously monitoring the removal of clinker from coal-fired boilers in thermal power stations. |
| 166223 | 9-4-1986 | The General Electric Company Ltd. of I Stunhop, Gato London W1A 1BH, England. | Differential relay to protect an electrical feeder. |
| 171112 | 6-4-1988 | TLV CO. Ltd. 8813 Nagasune, Koguchi-cto, Kakogawa-shi, Hyogo-ken, Japan, | Steam trap operation detector |

| 1 | 2 | 3 | 4 |
|--------|------------|---|---|
| 168205 | 11-11-1986 | 7, TOX -Dubel-Work Richard W. Hechhausau, GmbH & Co. KC of D-7762 Bodman-Ludwigshafen West Germany. | Straddling or buckling plug, |
| 151999 | 22-5-1981 | Union Carbide India. Ltd., 270 Park Avenue, New York, State of New York-10017 USA. | Metal cap for exposed top of carbon electrode of a dry cell and an improved dry cell incorporating same |
| 162008 | 23-1-1935 | Vacuum Interruotors Ltd. 68 ,Ballards Lane Fishley London N3,2BU England. | Contact for high current electrical switch devices. |
| 166735 | 24-1-1986; | DO. | A contact for an electric switch. |
| 166736 | 24-4-1986 | DO. | A contact for an electric switch. |
| 166317 | 6-10-1986. | Videocolor, of 7, Boulevard Roma, in Polland, 9248 Moatriouge France. | A device for correcting the deflection, effect due to a variation of the focusing cottage in trichromatic cathode ray tube with in line cathodes. |
| 166440 | 1-10-1986 | DO. | An electron gun for a cathode ray tube and method of manufacturing a hearing filament of said electron gun. |
| 166455 | 28-5-1986 | Videocolor of 7 BoulaYard Roma in Polland, 9248 Mntriouga, France, | Method and device for illuminating the face plate of a color television tube for formation of the screen. |
| 166688 | 1-10-1986 | Do, | Machine for depositing a Product on a plane horizontal surface of an object. |
| 166689 | 1-10-1986 | DO. | Device for automatic simultaneous measurement of the respective distances between cathodes 4 the second grid of a trichromatic eathodes tube gun. |
| 167739 | 1-10-1986 | Do. | A device for the manufacture of bases for Vacuum tubes. |
| 163515 | 10-3-1986 | Voest. Alpine Ag. 4020. Line, Muldenstrabe 1, Austria. | A control device for controlling constant current in resistance welding machines. |

PATENT SEALED ON 14-08-1997

REGISTRATION OF DESIGNS

168330 176927 177099 177370 177501 177522 177526
 177528* 177329 177530*D 177534 177338* 177540* 177541
 177542* 177543 177546 177547 177548 177554 177557
 177559* 177565 177566 177567 177568* 177569 177571
 177573 177574 177576*D 177577*D 177578 177579*D
 177581 177584 177585 177586 177587 177590 177593 177601
 177603 177606 177607* 177608*D 177609*F 177610*D.

CAL 47, DEL. - NIL, MUM—91. CHEN—Nil .

Patent shall be deemed to be endorsed with words LICENCEOFRIGHTSection87ofthepatents Act., 1970 from the date of expiration of three years from the date of scaling.

D—Drug Patent,

F--FOND

Patent

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 30 of the Designs Act, 1911.

The date shown in the each entries is the date of the registratfon included in the entries.

Class 1. N.o. 172673, Sigma Search Lights Ltd., an Indian Company of 7, Hari Save Street, Calcutla-700023, W. Bengal, India, "Flood Light", 26th November 1996.

Class 3, No. 172679, Zed Controls Pvt. Ltd., of 295/2339, Motilal Nagar No. II, M. G. Road, Goregaon West. Mumbai-400 090, Mahsrashtra, India, Indian, Company, "MODULER ELECTRICAL ACCESSORY", 27 November, 1996.

Class 3. No. 172672 The Goodyear Tire & Rubber Company, a corporation organised under the laws of the State of Ohio, with offices at 1144, East Market Street, Akron, Ohio 44316-0001, U.S.A.. "TYRF TREAD". 26th November, 1996.

Class 3. No. 172671, Motorola Inc. a corporation of the State of Delaware, of 1303 East Algonquin Road. Schaumburg, Illinois 60196, U.S.A., "HOLSTER FOR A 'PAGING RECEIVER'", 26th November,

Class 3. No. I72641. Yogesh Containers, 209 phase 1 G.I.D.C. Chhatral, Dist, Mehsana, North Gujarat, India, a Regd. partnership firm "JERRY CAN" 19th November 1996.

Class 3. No. 172610. Mrs. Puna Chawla, an Indian National of C I/5A Model Town III, Delhi-110 009. India. 'ELECTRICAL FAN'. 14th Novernbtr, 1996:

Class 3. No. 172512, Cadbury Beverages B. V., a Company organised under the laws of the Netherlands of World Trade Centre, Tower B, 17th Floor, Stra-winskyalaan 1725. 1077 XX Amsterdam, The Netherlands, "BOTTLE WITHOUT LTD, 31st October, 1996.

Class 4. No. 172513, Cadbury Beverages B.V., a Company organised under the laws of the Netherlands of World Trade Centre, Tower B. 17th Floor, Stra-winskyalaan 1725, 1077 XX Amsterdam, The Netherlands. "BOTTLE WITHOUT LTD, 31st October, 1996.

Class. 10. No. 172608, Quality Rubber State of 14, Shyam Market, Hing Ki Mandi, Asia-3, UP. India, an Indian proprietary concern, "SOLE OF FOOTWEAR", 14th November, 1996.

Class10. No. 172509, ENN Enterprises 20, Industrial Eatate, Nunhai, Agra, U.P., India, an Indian proprietary concern, "SOLE OF FOOTWEAR", 30th October, 1996.

T. R. SUBRAMANNIAN
Controller General of Patents, Designs &
Trade Marks

